

Today's Topics:

Alt.power.sources
AP Wire story on ham license fees
Can you tell the CBers from the HAMS??
crystals for a Heathkit HW 101
Help Repeal NJ Scanner Law!
KENDECOM MARK 4 REPEATERS
Need machine-readable Element 2 questions
Phonepatches to San Fransisco
RC on 6M
Usenet on 10m
You win: I'll change

Date: 17 Oct 89 17:43:38 GMT

From: ingr!b11!herbster@uunet.uu.net (Joe Herbster)

Subject: Alt.power.sources

Regarding Field day power sources.....

Wind power is fickle and not so portable.

Solar is expensive, not so good at night.

How about STEAM power.....I got the idea from one of those little steam engines i had as a kid (younger kid). Does any one know of sources of information or assemblies for a decent sized steam engine?? I should be able to spin a couple of 12v alternators at 2000 rpm with a single piston steam motor. I wonder if there are extra points for using recycled newspaper logs or other environmentally minded fuel?? Any informative discussion invited. I feel sure the creative elements in the Ham community can solve the FD power crunch.

Given-up on water generator..... de KM4JN

Date: 18 Oct 89 00:41:12 GMT

From: agate!helios.ee.lbl.gov!hellgate.utah.edu!mailrus!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil@ucbvax.Berkeley.EDU

Subject: AP Wire story on ham license fees

Since the proposed fees involve more money than just the cost of processing the actual paperwork, the following should be considered:

When change-of-address and upgrades are processed, the fee should be

PROPORTIONAL to the amount of extension of your license period that the implied renewal gives you.

Suppose the basic fee is \$35 and I've had my license for 3 years and then I file a change-of-address. I should only have to pay \$10.50 since I am getting a 3 year extension of my license. This feature should apply to all change-of-address and upgrade processing.

It's only \$3.50 a year, that's less than a penny a day!!!!
Let's stop whining over pennies and make sure the fee structure does not unfairly overcharge those who have to move a lot, or can't make Extra the first time at the VEC.

Other processing, such as STA's, waiver's, preferred callsign (NOW we can get this service going again, AT THE FCC) should be the the things that have bigger fees (I've heard they are talking about \$105).

--Phil howard-- <phil@ux1.cso.uiuc.edu>

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Date: 17 Oct 89 01:26:27 GMT

From: philmtl!philabs!ttidca!sorgatz@uunet.uu.net (Avatar)

Subject: Can you tell the CBers from the HAMS??

In article <17893@bellcore.bellcore.com> karn@ka9q.bellcore.com (Phil Karn) writes:

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+The more I listen around, the less and less difference I can hear between
+the ham bands and CB. The hams are not all as pristine as they would have
+you believe. Even more astoundingly, not all CBers are the Neanderthals that
+the hams would have you believe they are. In particular, listen to the SSB
+activity on the high end of the (legal) CB band and in the (illegal)
+freeband portion. Except for the lack of callsigns and the apparent
+inability to standardize on a particular sideband, I challenge anyone to
+tell the difference between these guys and typical HF ham QSOs. I sure
+can't.

+

Achkpht! C'mon Phil! I respect you, you're the prototype we're all striving to BE! The key to recognizing the CBers is their colorful speech patterns.

Very few HAMS will use a patter-rap style of QSO (except on CW...as we all are aware!) The CBer will use phrases like "no doubt about it!", "Terrible Situation!" etc. Most Amateurs tend to avoid such patterns, they also tend to avoid acknowledgments of the type: "Roger", "10-4" (or "4-10"), "fer sure!" etc.

Another litmus-test for CBers is the topic thread and or it's technical content. This is where one hears about the "teddybears" (these being a series of superstitious beliefs that CBers carry around like a teddybear!) Some of these 'gems' include:

"Cut you're coax in NINE FOOT INCREMENTS and the SWR'll be ONE-to-ONE! So DON'T cut it!..just let it lie there..an' don't COIL it up either!"

"ALWAYS run a ground wire from you're antenna's shield-side to a 3ft ground rod, to prevent lightening!"

"A bigger power supply can make your radio more 10-8! The best is to use a 20 amp or bigger..this can make a Cobra 148 put out 50 watts!"

<<the usual misconceptions about linear amp power ratings, PEP vs. RMS>>

"Skip is totally unpredictable!"

"Grounding a radio or a linear is unnecessary if you have a 3-wire plug."

"The more modulation the better..250% is pretty-good."

"There is no difference in coax, RG58 is as good as RG213 up to 500 watts!"

"Preamp mics are no good on sideband."

"Modern Ham radios are never as 10-8 as a good old General MC9.."

"Tube linears are: Obsolete!, not as good as transistor ones!, better than transistor ones if they have 6 or more tubes!...etc."

(referring to AM) "It dont mean a thing if it aint got that SWING! So turn you're carrier down so's you get a 1 watt dead-key and set the modulation so it swings up to 25 watts on the voice peaks!"

Some of this kind of stuff is amusing, at least to me, but you cannot convince me that 'most hams' are as ignorant about basic radio electronics! Getting people to 'unlearn' this kind of junk is not always easy.. As an aside, Phil, I scan CB and look for those people who ARE into it.. ..so far I have an armful of hashmarks, 3 of whom are now GENERALS! Talent is where you find it. '73

--

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
Citicorp(+)TTI *-----> panic trap; type = N+1 *
3100 Ocean Park Blvd. (213) 450-9111, ext. 2973 +-----+
Santa Monica, CA 90405 {csun,philabs,randvax,trwrbr}!ttidca!ttidcb!sorgatz **

Date: 18 Oct 89 20:13:00 GMT
From: mirror!frog!john@CS.BU.EDU (John Woods)
Subject: crystals for a Heathkit HW 101

There is also

JAN Crystals
2341 Crystal Drive
P.O. Box 06017
Fort Myers FL 33906-6017
1-800-JAN-XTAL (526-9825)
(Mondays through Thursdays)

--
John Woods, Charles River Data Systems, Framingham MA 508-626-1101
...!decvax!frog!john, john@frog.UUCP, ...!mit-eddie!jfw, jfw@eddie.mit.edu

Date: 18 Oct 89 00:41:22 GMT
From: agate!helios.ee.lbl.gov!hellgate.utah.edu!mailrus!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil@ucbvax.Berkeley.EDU
Subject: Help Repeal NJ Scanner Law!

> For NJ readers ONLY!
> ^^^^^^^^^^^^^^^^^^^^^
> ^^^^^ ????

>
> As per Popular Communications, write or Mailgram ASAP to:
>
> Senator Newton E. Miller
> Chairman, Senate Transportation and Communications
> Subcommittee
> 10 Furler St.
> Totowa, NJ 07512
>

> Urge support passage for Senate Bill No. 3593 to repeal the provisions
> of NJS 2A:127-4.
>
> Do this TODAY!

Why the hell is this for NJ readers ONLY ??????????

This is an issue for EVERYONE !!!!!!!!!!!!!
(at least for all hams with cars)

Remember that the state of New Jersey has FEDERAL highways running through it,
highways that YOUR TAX DOLLARS PAY FOR.

By all means write to Senator Newton E. Miller and express your concern
over a NJ law that allows NJ police to HARRASS EVERYONE, not just those
from New Jersey itself.

--Phil howard-- <phil@ux1.cso.uiuc.edu>
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Date: 18 Oct 89 00:41:09 GMT
From: gem.mps.ohio-state.edu!uakari.primite.wisc.edu!uwm.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil@tut.cis.ohio-state.edu
Subject: KENDECOM MARK 4 REPEATERS

Since the topic of repeaters is up again, I'll ask something which I tried to
ask once before, but because of not knowing some things I didn't know then,
I asked effectively the wrong question.

To those of you who have set up repeaters before, other than when you use
RF sections and controllers designed for each other, what kinds of problems
do you run into interfacing brand A radios with brand B controllers? I'm
looking for typical cases, and in particular I am interested in learning
just what kinds of interfaces are available on typical equipment and the
electrical parameters.

I am interested in setting up a repeater, but I also want to have rather
extensive low-level control over the repeater as well. I see no way to do
what I want to do short of writing (or hacking) the microprocessor code
(as opposed to the "programmability" controller manufacturers advertise
their machines are capable of). People have "reverse engineered" packet
TNC's enough to develop new programs to run on them (e.g. Net/ROM), but has
anyone done this for commercial (for ham market) repeater controllers?
I described several of the features I wanted to have my repeater do to an
engineer at Sprectrum Repeaters (I was way beyond the sales people) and he
said it sounded like several thousands of dollars worth of custom processor
programming. Well... we know hams don't do things that way; and since I am
a programmer, why should I pay for someone else to do what I could do?

So, what are the experiences out there regarding repeaters and their
controllers? Should I build my own controller (perhaps from a PC clone
motherboard) or buy a commercial one and hack it's software? Will I need

to modify the RF portions any?

--Phil howard-- <phil@ux1.cso.uiuc.edu>

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Date: 17 Oct 89 17:29:14 GMT

From: csibtfr!excelan!leadsv!esl!esl.ESL.COM!dml@apple.com (Denis Lynch)

Subject: Need machine-readable Element 2 questions

I am giving a Novice class here in Sunnyvale. Folks are actually beginning to be ready for their tests, so I need to construct one (or possibly more, since not everybody will pass the first time).

Can anybody out there send me the current element 2 question set to make this easier? I can handle most reasonable formats for the Mac and Unix.

Thanks. Denis Lynch, N2TI

dml@esl.com

Date: 19 Oct 89 18:21:21 GMT

From: att!cbnewsc!parnass@ucbvax.Berkeley.EDU (Bob Parnass, AJ9S)

Subject: Phonepatches to San Fransisco

In article <1989Oct18.205849.8414@cadre.dsl.pitt.edu>, geb@cadre.dsl.pitt.edu (Gordon E. Banks) writes:

> ... Surely they [the jammers] aren't hams.

Why not? In my experience, most of the (small number of) jammers on the ham bands who I could identify WERE licensed hams.

An Extra Class operator teamed up with an Advanced to jam the club repeater at Purdue back in 1978. More recently, a jammer on 14.313 MHz even signed his call letters.

Mutual respect and the "honor system," more than federal enforcement, help keep order in the ham bands. This system is vulnerable to dishonorable or sociopathic people.

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Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (312)979-5414

Date: 14 Oct 89 06:40:01 GMT
From: texbell!nuchat!moray!splut!jantor!linkit!Chris.Boone@rutgers.edu (Chris Boone)
Subject: RC on 6M

Converting from 72Mhz tp 50Mhz requires a "band change" of the RF circuits...NOT an easy matter!!!! Remember, you must change your rcvr also if you wish to use the system....and THATS not easy too.....I have moved UHF gear from 480 to 420Mhz but a change of 60Mhz is a small percentage of 480Mhz whereas a change of 20Mhz is a LARGE percentage of 72Mhz...thats why its necessary to do a band change which involves every tuned circuit...not an easy task!!!
73, Chris WB5ITT (dont forget the new 6M freqs...donot use the 53Mhz range!!!!!!the 50.8-51Mhz range is NOW the area for RCs)

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Chris Boone - via FidoNet node 1:106/7873
UUCP:!splut!jantor!linkit!Chris.Boone
serviced via UFGATE 1.0

Date: 17 Oct 89 22:02:49 GMT
From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)
Subject: Usenet on 10m

Well, its me again. This time a bit more coherent, I think.

First, let me say that I'm sorry I won't be around this Saturday (the 21) as I have certain things to do (callsign tapes and a meeting, to be exact).

Also, it has been brought to my attention that some of us may not really be interested in working 'only the U.S.'. Thats fine by me. If you get on 10m and realize just how good it is and decide to go for France, Japan, Africa, Holland, Columbia, or England, don't let *me* stop you! :-)

(And I mention all those countries because I've *heard* them well enough to believe that I should have been able to work them if my radio was just putting out the 100 watts its supposed to!)

But, if you would rather talk than seek DX, thats fine too. I've been spending the first hour or so looking for Usenet folks, than I'll switch to looking for anyone at all who seems loud enough for me to be able to talk to them, so I've kind of been doing both jawing and 'UR 59 QRZed'-ing (even though I've never made a contact outside of

the N.A. continent yet....).

I've also gotten mail from someone in NJ who expects to be on this Saturday, so don't skip out (pun partially intended :-) just because I'll be off the air. (And please don't think I think that I am so important to the 10m un-net that my being gone will make a big impact. I just wanted to make it clear that I am just another participant to it.)

So, all you Novices and Techs out there: Get on 10 meters, you might be surprised who you work!

Oh, ok, I'll get off my soapbox now..

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Just another Tech who's having a good time on 10m

-- rusty

(and who would be having a better time if his stupid radio would work as well on 28.0-28.5 as it does everywhere else :-)

P.S. for those of you outside the USA who are hearing about the 'usenet un-net' for the first time, its a loose association of usenetters who get together on 10m at the freqs in my .sig, on 'saturday' at the times below.

P.P.S. When the time changes, I plan to keep the un-net starting at the same LOCAL time, not the same universal time! So we will change it to 1600 to 1700 (I think thats the right direction I'll figure it out when the zone changes....).

so, 73 and I'll probably not see anyone on the un-net until after October 28, since that is the CQ WW thing, and I expect everyone to be chasing DX at that time. I will probably show up at the normal time/place anyway, but I don't expect much action nor free spectrum...

---Join the usenet un-net, 28.410 and/or 28.390, 1500Z to 1600Z saturdays!
Rusty Carruth. Radio: N7IKQ ^^ or later :-)
DOMAIN: rusty@cadnetix.com UUCP:{uunet,boulder}!cadnetix!rusty
home: POB. 461, Lafayette 80026

Date: 14 Oct 89 06:46:22 GMT
From: texbell!nuchat!moray!splut!jantor!linkit!Chris.Boone@rutgers.edu (Chris

Boone)

Subject: You win: I'll change

Damn shame the FCC didnt pass the NPRM years ago that wouldve required proof of license for sales of amateur TRANSMITTING equipment!!!! Even the big manufacturers (RL Drake, etc) were behind it and the San Antonio Amateur Repeater Association had submitted a simple plan that had a LARGE following!!! But the wonderful people in Washington bowed to stupid thinking and killed the idea.....Shame!!!
(Guess things never change when it comes to dealing with Big Brother!)
73, Chris WB5ITT

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Chris Boone - via FidoNet node 1:106/7873
UUCP: ...!splut!jantor!linkit!Chris.Boone
serviced via UFGATE 1.0

End of INFO-HAMS Digest V89 Issue #780
